

4.2.C. 06020003100.

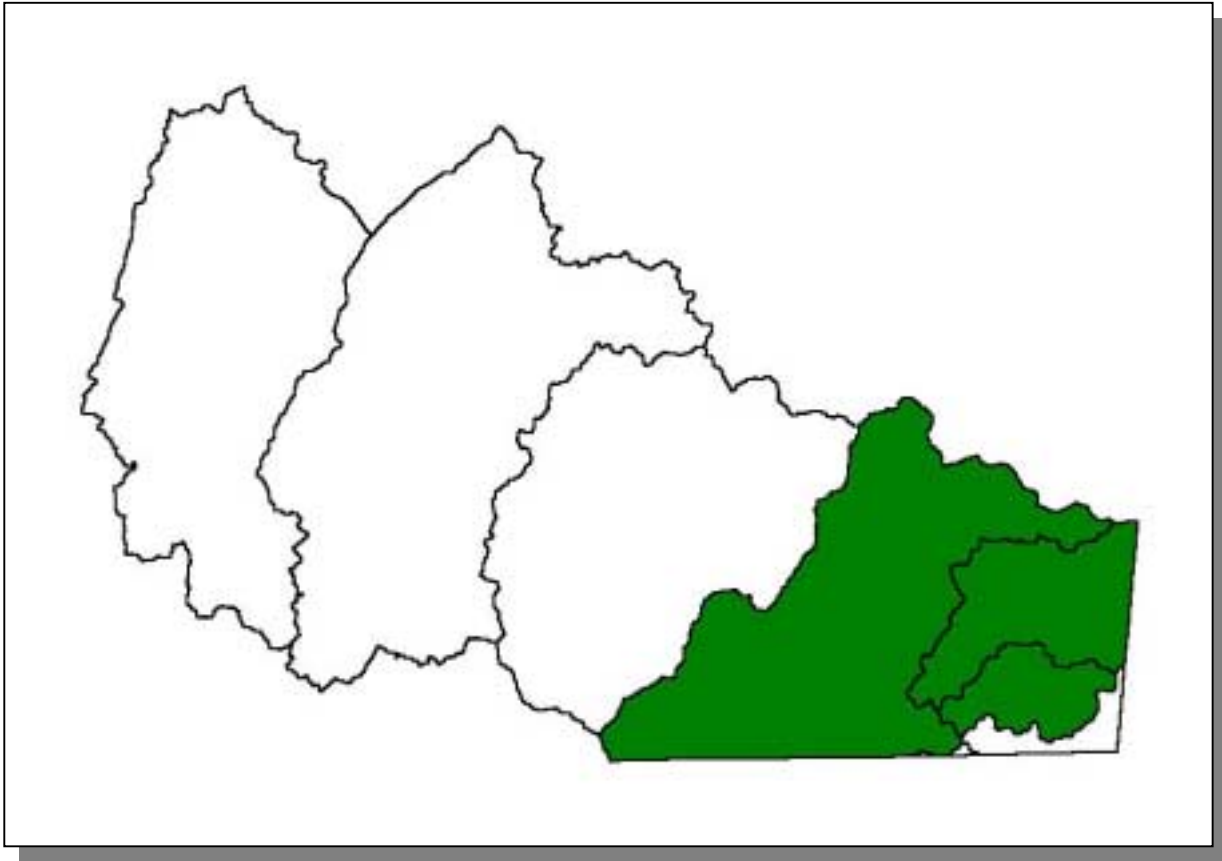


Figure 4-12. Location of Subwatershed 06020003100. All Ocoee HUC-14 subwatershed boundaries are shown for reference.

4.2.C.i. General Description.

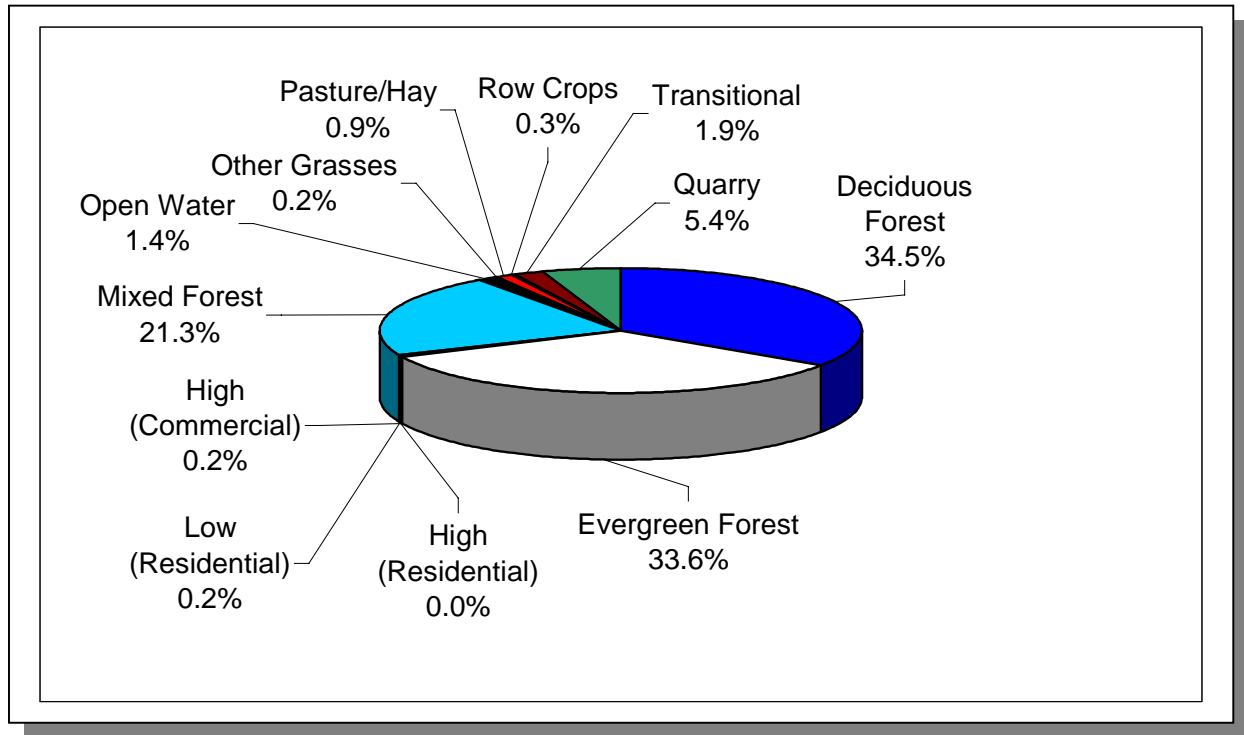


Figure 4-13. Land Use Distribution in Subwatershed 06020003100. More information is provided in Ocoee-Appendix IV.

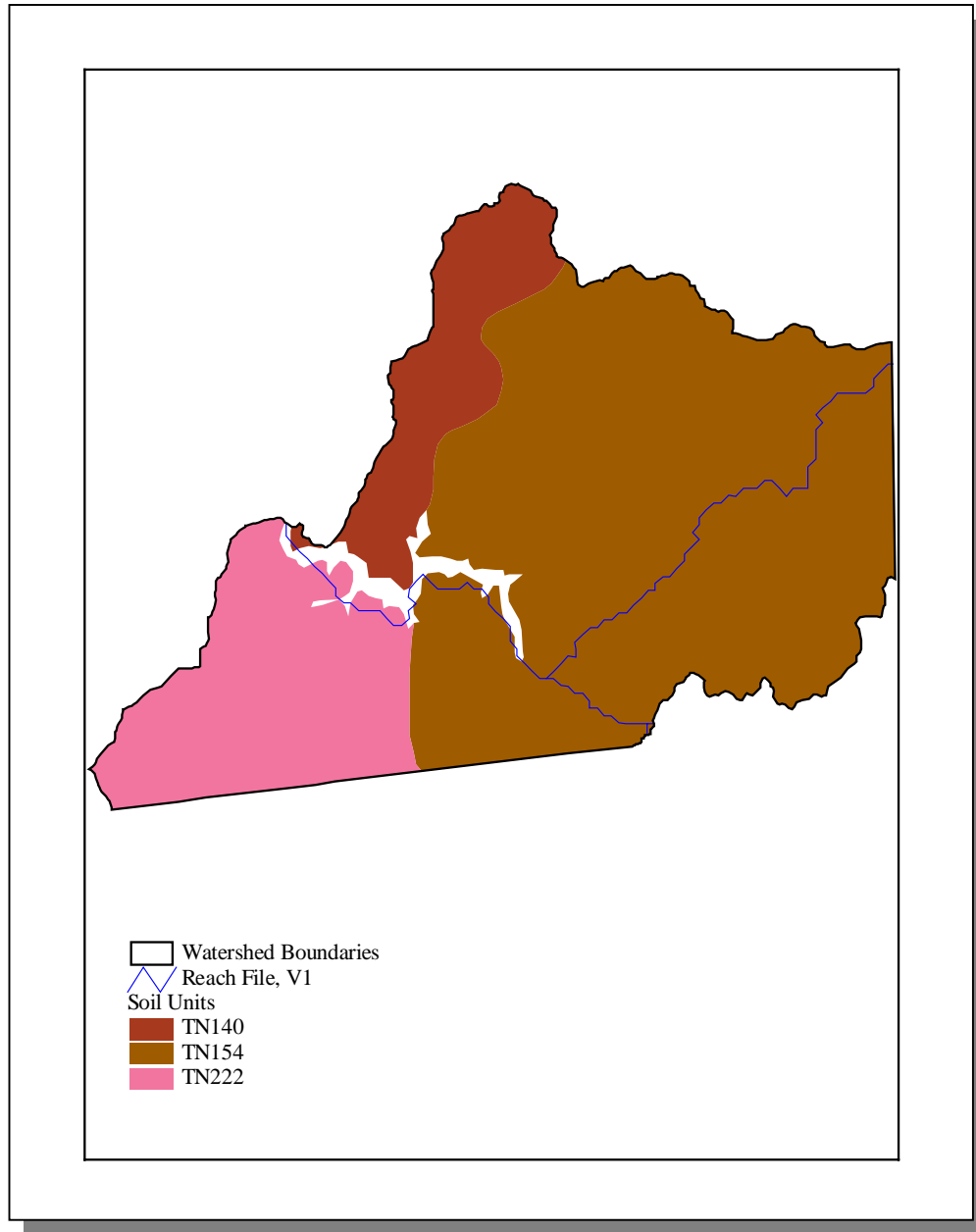


Figure 4-14. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06020003100.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN140	0.00	B	3.85	4.85	Sandy Loam	0.21
TN154	9.00	B	2.64	4.66	Loam	0.23
TN222	0.00	B	3.96	5.32	Sandy Loam	0.23

Table 4-16. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 06020003100. More information is provided in Ocoee-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Polk	13,643	14,666	12.18	1,662	1,787	7.5

Table 4-17. Population Estimates in Subwatershed 06020003100.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Copperhill	Polk	355	227	198	29	0
Ducktown	Polk	412	215	115	91	9
Totals		767	442	313	120	9

Table 4-18. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 06020003100.

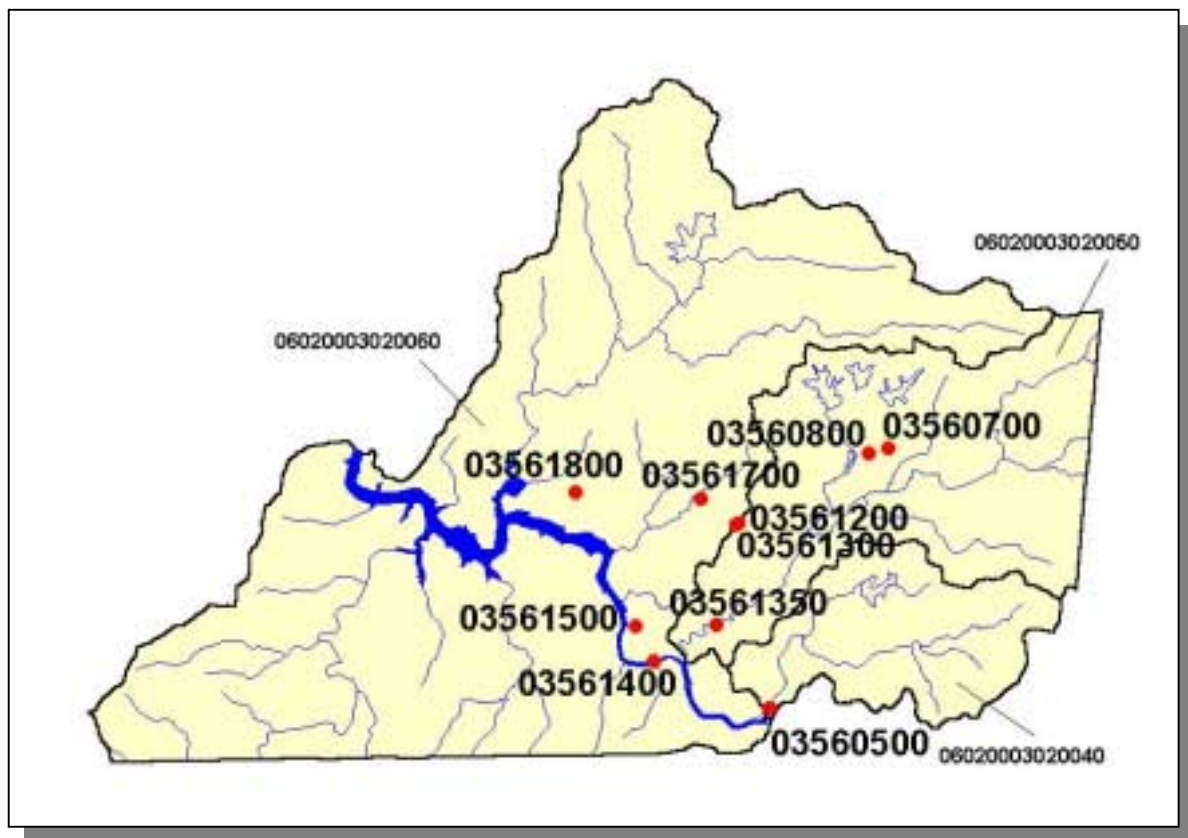


Figure 4-15. Location of Historical Streamflow Data Collection Sites in Subwatershed 06020003100. Subwatershed 06020003020040, 06020003020050, and 06020003020060 boundaries are shown for reference. More information is provided in Ocoee-Appendix IV.

4.2.C.ii. Point Source Contributions.



Figure 4-16. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 06020003100. Subwatershed 06020003020040, 06020003020050, and 06020003020060 boundaries are shown for reference. More information, including the names of facilities, is provided in Ocoee-Appendix IV.

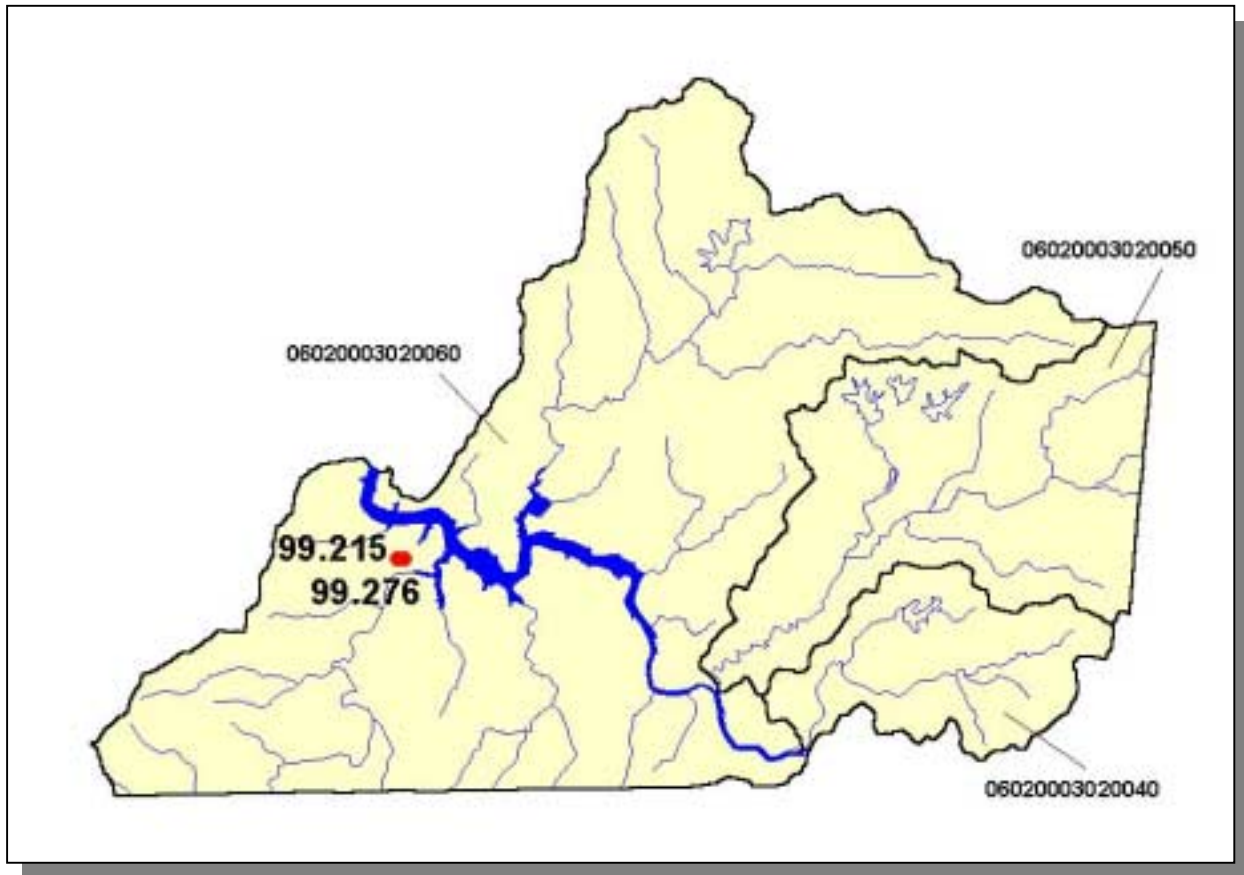


Figure 4-17. Location of ARAP Sites (Individual Permits) in Subwatershed 06020003100. Subwatershed 06020003020040, 06020003020050, and 06020003020060 boundaries are shown for reference. More information is provided in Ocoee-Appendix IV.

4.2.C.ii.a. Dischargers to Waterbodies Listed on the 1998 303(d) List.

There are two NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 06020003100:

- TN0056413 discharges to Mile 0.5 of a Wet Weather Conveyance to Central Mine Branch @ RM 0.5
- TN0002411 discharges to Ocoee River @ RM 37.1 and to Davis Mill Creek



Figure 4-18. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 06020003100. Subwatershed 06020003020040, 06020003020050, and 06020003020060 boundaries are shown for reference. The names of facilities are provided in Ocoee-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0002411	0	0	0		31.05
TN0056413	0	0	0	0.02	0.0052
TN0059358	71.0	0	0	0.14	

Table 4-19. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06020003100. Data are in million gallons per day (MGD). 30Q2 data were calculated using data in *Flow Duration and Low Flows of Tennessee Streams Through 1992*.

PERMIT #	CBOD ₅	FECAL	NH ₃	PH	TSS	COD
TN0002411				X	X	X
TN0056413	X	X	X	X	X	
TN0059358	X	X				

Table 4-20a. Inorganic Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06020003100.

PERMIT #	DIMETHYLANALINE	SURFACTANTS	OIL and GREASE
TN0002411	X	X	X

Table 4-20b. Organic Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06020003100.

PERMIT #	Cu	Zn	Cr	Pb	Fe	Ni
TN0002411	X	X	X	X	X	X

Table 4-21. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06020003100.

PERMIT #	Cu	Zn	Fe	pH	SS	SETTLEABLE SOLIDS	Fecal	CBOD
TN0002411	34	6	1	80				
TN0059358				24	16	1	16	1

Table 4-22. Number of Permit Violations Based on DMR Data (04/1993-12/1999) for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 06020003100.

4.2.C.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold
43	163	43	38	151,032

Table 4-23. Summary of Livestock Count Estimates in Subwatershed 06020003100.

According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Polk	224.7	214.1	6.2	21.1

Table 4-24. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 06020003100.

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Soybeans (Row Crops)	2.33
Grass (Pastureland)	1.15
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.61
Grass, Forbs, Legumes (Mixed Pasture)	1.34
Forest Land (Grazed)	0.00
Fruit (Horticultural)	0.19
Corn (Row Crops)	6.43
Grass (Hayland)	0.22
Legume Grass (Hayland)	0.05
Other Cropland not Planted	2.93

Table 4-25. Annual Estimated Total Soil Loss in Subwatershed 06020003100.